



## Hi-Temperature Accelerometer TM0785A

### *Hi-Temperature, Internally Amplified Piezoelectric Accelerometers*

The TM0785A accelerometer is designed for high temperature applications up to 150°C (302°F).

### Specifications

#### Electrical

Sensitivity:

100mV/g, @ 25°C, ±10%

Frequency Response:

1.0 -10,000Hz (±3dB)

Acceleration Range:

50g

Isolation:

Fully isolated

Power Requirement:

2 - 4 mA constant current

18 - 30VDC

Bias Voltage:

10 - 14VDC

Resonance Frequency:

20 kHz

Maximum Transmission Distance:

300 meters (1,000 feet)



#### Environmental and Physical

Temperature Range:

-50°C to +150°C

Environmental Protection:

IP67

Weight:

135 grams

Case Material:

Stainless steel

Mounting:

1/4-28UNF tapped hole

Installation Torque:

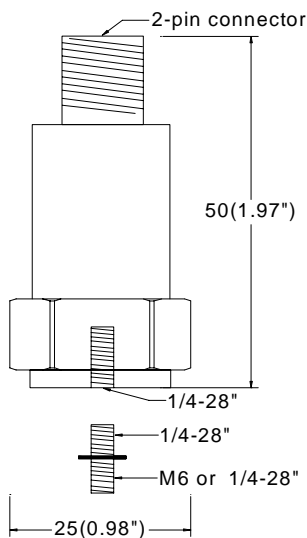
29N x M

#### Connection

A: Power (red)

B: COM (white)

Shield





### Order Information

#### **TM0785A-M**

Accelerometer kit includes:

- ✓ TM0785A accelerometer
- ✓ Mounting screw (1/4-28" to M6x1)

#### **TM0785A-E**

Accelerometer kit includes:

- ✓ TM0785A accelerometer
- ✓ Mounting screw (1/4-28" to 1/4-28")

### *Accessories:*

(Standard cable length is 5 meters. XX = 05)



**TM0704-XX:** Stainless steel MIL connector with Armored XX meters cable, 4.83mm diameter. < 150°C (300°F), Maximum Length is 10 meters.

**TM0710:** Mounting screw 1/4-28" - M6x1

**TM0711:** Mounting screw 1/4-28" - 1/4-28"

**TM0712:** Mounting screw 1/4-28" - M8

**TM0713:** Mounting screw 1/4-28" - M10